

RECEIVED  
CENTRAL FAX CENTER

MAR 30 2009

LAW OFFICES  
**KILYK & BOWERSOX, P.L.L.C.**  
*Intellectual Property Law*

*From the Desk of*  
**RAMON R. HOCH**

3925 Chain Bridge Road  
Suite D-401  
FAIRFAX, VA 22030

Email: [rhoch@kbpatentlaw.com](mailto:rhoch@kbpatentlaw.com)  
Website: <http://www.kbpatentlaw.com>

TEL.: (703) 385-3406  
FAC.: (703) 385-9719  
(703) 385-9747

**FACSIMILE TRANSMISSION COVERSHEET**

DATE: March 30, 2009  
TO: Examiner: ARTI SINGH  
Group Art Unit: 1794  
RE: **U.S. Patent Application No. 10/699,425**  
**For: Anti-Microbial Nonwoven Wipe**  
**Attorney Docket No.: 02-292**  
**Confirmation No.: 3280**  
FROM: Ramon R. Hoch  
Customer Number 62753  
TO FAX NO.: (571) 273-8300

**NUMBER OF PAGES (INCLUDING THIS COVER SHEET): 3**

Comments:

**Please find attached:**

**PROPOSAL ONLY FOR INTERVIEW DISCUSSION - DO NOT ENTER**

THE INFORMATION CONTAINED IN THIS MESSAGE IS CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED. This message may also be an attorney/client communication which is privileged and confidential. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by calling us collect and return the original message to us at the above address by mail. Thank you.

MAR 30 2009

**RE: CLAIM PROPOSALS FOR DISCUSSION ONLY AT INTERVIEW -**  
**DO NOT ENTER**

In re Application of: Dianne ELLIS et al. ) Examiner: Singh, Arti R  
Application No.: 10/699,425 )  
Filed: October 31, 2003 )  
Docket No.: 02-292 )

For: ANTI-MICROBIAL NONWOVEN WIPE

Claims 1-3 (canceled)

Claim 4 (Currently amended) A nonwoven anti-microbial wipe ~~consisting essentially of comprising~~ a fibrous nonwoven substrate coated with a non-ionic and cationic binder mixture and subsequently coated with a cationic dual quaternary ammonia anti-microbial agent, said cationic dual quaternary ammonia anti-microbial agent being readily released upon being introduced to an associated water source.

Claims 5-14 (canceled)

Claim 15 (New) A nonwoven anti-microbial wipe as in claim 4, wherein said anti-microbial wipe is a hard surface wipe.

Claim 16 (New) A nonwoven anti-microbial wipe as in claim 4, wherein said fibrous nonwoven substrate comprises natural fibers.

Claim 17 (New) A nonwoven anti-microbial wipe as in claim 4, wherein said fibrous nonwoven substrate comprises natural fibers selected from the group consisting of cotton, wood pulp and viscose rayon.

Claim 18 (New) A nonwoven anti-microbial wipe as in claim 4, wherein said fibrous nonwoven substrate comprises carded and cross-lapped staple length fibers.

RECEIVED  
CENTRAL FAX CENTER

MAR 30 2009

**RE: CLAIM PROPOSALS FOR DISCUSSION ONLY AT INTERVIEW -  
DO NOT ENTER**

Claim 19 (New) A nonwoven anti-microbial wipe comprising:

a three-dimensionally imaged fibrous nonwoven substrate coated with a non-ionic and cationic binder mixture and subsequently coated with a cationic dual quaternary ammonia anti-microbial agent, said cationic dual quaternary ammonia anti-microbial agent being readily released upon being introduced to an associated water source, and

a scrim layer reducing the extensibility of said three-dimensionally imaged fibrous nonwoven substrate.

Claim 20 (New) A nonwoven anti-microbial wipe as in claim 19, wherein said scrim layer is selected from a unidirectional filament scrim, a bi-directional filament scrim, an expanded film, and a thermoplastic spunbond.

Claim 21 (New) A nonwoven laminate anti-microbial wipe comprising:

a fibrous nonwoven substrate coated with a non-ionic and cationic binder mixture and subsequently coated with a cationic dual quaternary ammonia anti-microbial agent, said cationic dual quaternary ammonia anti-microbial agent being readily released upon being introduced to an associated water source, and

an additional layer selected from the group consisting of a fabric layer and a film layer.

Claim 22 (New) A nonwoven laminate anti-microbial wipe as in claim 21, wherein said additional layer is a film layer selected from the group consisting of a cast film, an extruded film, and a reticulated film.